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**(54) Title:** **VIRULENCE-ASSOCIATED ADHESINS**

**(57) Abstract:** Virulence-associated antigens involved in adhesion have been identified in several organisms: *Haemophilus influenzae* biogroup *aegyptius*; *Escherichia coli* K1; *EHEC* *E.coli*; *Actinobacillus actinomycetemcomitans*; *Haemophilus somnus*; *Haemophilus ducreyi*; *EPEC* *E. coli*; EA EC *E. coli*; *uropathogenic E.coli*; *Shigella flexneri*; *Brucella melitensis*; *Brucella suis*; *Ralstonia solanacearum*; *Sinorhizobium meliloti*; *Bradorhizobium japonicum*; and *Burkholderia fungorum*. Although the degree of sequence identity between the adhesins is low, they share a common arrangement of domains from N-terminus to C-terminus, namely: a leader peptide; a globular head; a coiled-coil region; and a transmembrane anchor region.